AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A transparent acrylate pressure-sensitive adhesive comprising a polyacrylate and a filler, wherein the ~~acrylate pressure-sensitive adhesive~~ filler comprises ~~a polyacrylate and polyacrylate-coated~~ particles of silicate and/or of silica gel, wherein said particles additionally comprise a coating of polyacrylate chemically bonded to said silicate and/or silica gel, and wherein the polyacrylate-coated particles of silicate and/or of silica gel ~~having~~ have a size of not more than 50 nm.

2. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 1, wherein the polyacrylate-coated particles of silicate and/or of silica gel have a size of not more than 10 to 30 nm.

3. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 1, wherein the polyacrylate-coated particles of silicate and/or of silica gel are present with a weight fraction of 0.5 to 25 relative to unfilled silicate/silica gel.

4. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 1, wherein the polyacrylate is obtained from a comonomer composition comprising:

a) acrylic acid and methacrylic acid derivatives of the formula (I), with a fraction of 70 to 100 percent by weight,

$$CH_2=C(R_1)(COOR_2) \qquad (I)$$

where R_1 = H or CH_3 and R_2 = H or an alkyl chain having 2 to 20 carbon atoms, or stearyl (meth)acrylate or (meth)acrylic acid, and

b) vinyl compounds comprising functional groups, with a fraction of 0 to 30 percent by weight.

5. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 4, wherein the vinyl compound is a maleic anhydride, a styrene, a styrene compound, a vinyl acetate, a (meth)acrylamide, an N-substituted (meth)acrylamide, a β-acryloyloxy-propionic acid, a vinyl acetic acid, a fumaric acid, a crotonic acid, an aconitic acid, a dimethylacrylic acid, a trichloroacrylic acid, an itaconic acid, a hydroxyalkyl (meth)acrylate, an amino-containing (meth)acrylate, a hydroxyl-containing (meth)acrylate, a 2-hydroxyethyl (meth)acrylate, a 2-hydroxypropyl (meth)acrylate, and/or a 4-hydroxybutyl (meth)acrylate.

6. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 4, wherein the vinyl compound is a double-bond-functionalized photoinitiator.

7. (Previously Presented) The acrylate pressure-sensitive adhesive of claim 1, wherein the polyacrylate-coated particles of silicate and/or of silica gel have been functionalized with a free-radical initiator.

8. (Canceled)

9. (Currently Amended) The acrylate pressure-sensitive adhesive of claim ~~8~~ 1, wherein the polyacrylate of the pressure-sensitive adhesive and of the polyacrylate-coated particle coating are identical.

10. (Previously Presented) A process for preparing an acrylate pressure-sensitive adhesive of claim 1, said process comprising polymerizing the acrylates and comonomers in the presence of at least one organic solvent or in bulk, the polyacrylate-coated particles of silicate and/or of silica gel being mixed in.

11. (Previously Presented) The process of claim 10, wherein polyacrylate-coated particles of silicate and/or of silica gel having a maximum size of 50 nm are mixed in.

12. (Previously Presented) The process of claim 10, wherein the polyacrylate-coated particles of silicate and/or of silica gel are mixed in with a weight fraction of 0.5 to 25 relative to unfilled silicate/silica gel.

13. (Previously Presented) The process of claim 10, wherein particles of silicate and/or of silica gel are functionalized with a free-radical initiator in an upstream operation.

14. (Previously Presented) The process of claim 10, wherein the polyacrylate-coated particles of silicate and/or of silica gel are mixed in during or after the polymerization.

15. (Previously Presented) The process of claim 10, wherein the polyacrylate of the acrylate pressure-sensitive adhesive and of the polyacrylate-coated particle coating are identical.

16. (Previously Presented) The process of claim 10, which further comprises crosslinking the acrylate pressure-sensitive adhesive by UV irradiation in the range from 200 to 400 nm.

17. (Previously Presented) The process of claim 16, wherein the acrylate pressure-sensitive adhesive is crosslinked by ionizing radiation or by thermal crosslinking.

18. (Canceled)

19. (Previously Presented) A pressure-sensitive adhesive tape comprising the acrylate pressure-sensitive adhesive of claim 1.

20. (Previously Presented) A bonding method comprising applying a pressure-sensitive adhesive tape of claim 19 to a substrate.